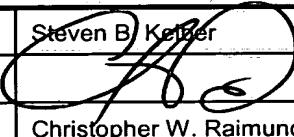


UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. 2343-173-27
		First Inventor or Application Identifier Shelly John MECHERY
Title	OPTICAL SENSING ELEMENTS FOR NITROGEN DIOXIDE (NO₂) DETECTION, A SOL-GEL METHOD FOR MAKING THE SENSING ELEMENTS AND FIBER OPTIC SENSORS INCORPORATING NITROGEN DIOXIDE GAS OPTICAL SENSING ELEMENTS	

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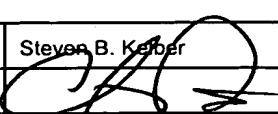
102703

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application PO Box 1450 Alexandria, VA 22313-1450	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status.</p> <p>2. <input checked="" type="checkbox"/> Specification Total Pages 30</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets 11</p> <p>4. <input type="checkbox"/> Oath or Declaration Total Pages </p> <p>a. <input type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d)) (for continuation/divisional with box 16 completed)</p> <p>5. <input type="checkbox"/> Incorporation By Reference (usable if box 4B is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p>		ACCOMPANYING DOCUMENTS <p>6. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>7. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>8. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>9. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>10. <input type="checkbox"/> Preliminary Amendment</p> <p>11. <input checked="" type="checkbox"/> White Advance Serial No. Postcard</p> <p>12. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>13. <input type="checkbox"/> Request for Priority</p> <p>14. <input checked="" type="checkbox"/> List of Inventors' Names and Addresses</p> <p>15. <input type="checkbox"/> Other:</p>	
<p>16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application no.:</p> <p>Prior application information: Examiner: Group Art Unit:</p>			
<p>17. Amend the specification by inserting before the first line the sentence:</p> <p><input type="checkbox"/> This application is a <input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP) of application Serial No. Filed on</p> <p><input type="checkbox"/> This application claims priority of provisional application Serial No. Filed</p>			
<p>18. CORRESPONDENCE ADDRESS</p> <p>Supervisor, Patent Prosecution Services PIPER RUDNICK LLP 1200 Nineteenth Street, N.W. Washington, D.C. 20036-2412 Telephone No. (202) 861-3900 Facsimile No. (202) 223-2085</p>			

Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	October 27, 2003
Name	Christopher W. Raimund	Telephone	202-861-3900
		Registration No.	47,258

FEE TRANSMITTAL

										Docket No.		2343-173-27				
										Serial No.		NEW U.S. PATENT APPLICATION				
										Filing Date		HEREWITH				
										Inventor(s)		Shelly John MECHERY				
										Group Art Unit						
TOTAL AMOUNT OF PAYMENT				\$684.00		Examiner										
<p>1. <input checked="" type="checkbox"/> Applicant claims small entity status.</p> <p><input checked="" type="checkbox"/> Charge any <u>UNDERPAYMENT</u> or credit any <u>OVERPAYMENT</u> in the indicated fees to Deposit Account No. 50-1442.</p> <p><input type="checkbox"/> Charge the indicated fees to Deposit Account No. 50-1442.</p>										FEE CALCULATION (continued)						
										3. ADDITIONAL FEES						
										Large Entity		Small Entity		Fee Description		
<p>2. <input checked="" type="checkbox"/> Check enclosed.</p> <p>FEE CALCULATION</p>										Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid		
<p>1. BASIC FILING FEE</p>										1051	130	2051	65	Surcharge-late filing fee or oath		
Large Entity		Small Entity		Fee Description			1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet					
Fee Code	Fee (\$)	Fee Code	Fee (\$)				1053	130	1053	130	Non-English Specification					
1001	770	2001	385	Utility filing fee			385	1252	420	2252	210	1-mo. ext. of time				
1002	340	2002	170	Design filing fee				1253	950	2253	475	2-mo. ext. of time				
1003	520	2003	260	Plant filing fee				1254	1480	2254	740	3-mo. ext. of time				
1004	770	2004	385	Reissue filing fee				1255	2010	2255	1005	4-mo. ext. of time				
1005	160	2005	80	Provisional filing fee				1401	330	2401	165	5-mo. ext. of time				
SUBTOTAL (1)					\$385.00		1402	330	2402	165	Notice of Appeal					
<p>2. EXTRA CLAIM FEES</p>										1403	290	2403	145	Appeal Brief		
tot. claims		46	-	20*	=	26	x	\$9	=	234	1501	1330	2501	665	Request for Oral Hearing	
ind. claims		3	-	3*	=	0	x	\$43	=	0	1502	480	2502	240	Utility/Reissue Issue Fee	
<input type="checkbox"/> Multiple Dependent Claims					\$145	=				1504	300	1504	300	Design Issue Fee		
Large Entity		Small Entity		Fee Description			8001	3	8001	3	Publication Fee					
Fee Code	Fee (\$)	Fee Code	Fee (\$)				1460	130	1460	130	Advance Copy of Patent					
1202	18	2202	9	Claims in excess of 20			1806	180	1806	180	Petitions to the Commissioner					
1201	86	2201	43	Independent claims in excess of 3			8021	40	8021	40	IDS Submission					
1203	290	2203	145	Multiple dependent claim, if not paid			1801	770	2801	385	Assignment recordation					
1204	84	2204	43	*Reissue independent claims over original patent			1814	110	2814	55	For Filing RCE					
1205	18	2205	9	*Reissue claims in excess of 20 and over original patent			Terminal Disclaimer									
SUBTOTAL (2)					\$234.00											
* or number previously paid, if greater; For Reissues, see above										SUBTOTAL (3)			\$65.00			

Name	Steven B. Kerber	Registration No.		30,073		
Signature		Date	October 27, 2003		Telephone	202-861-3900
Name	Christopher W. Raimund	Registration No.		47,258		

DOCKET NO. 2343-173-27

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Shelly John MECHERY ART UNIT:
SERIAL NO.: NEW U.S. PATENT APPLICATION EXAMINER:
FILING DATE: HEREWITH
FOR: OPTICAL SENSING ELEMENTS FOR NITROGEN DIOXIDE (NO₂)
DETECTION, A SOL-GEL METHOD FOR MAKING THE SENSING
ELEMENTS AND FIBER OPTIC SENSORS INCORPORATING
NITROGEN DIOXIDE GAS OPTICAL SENSING ELEMENTS

LIST OF INVENTORS' NAMES AND ADDRESSES

ASSISTANT COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA, VA 22313-1450

SIR:

Listed below are the names and addresses of the inventors for the above-identified patent application.

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Mississippi State, MS 39762
- 2) Jagdish P. SINGH
202 Setter Lane
Starkville, MS 39759

A declaration containing all the necessary information will be submitted at a later date.

Respectfully submitted,

PIPER JAFFRAY LLP

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